

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062418.D
 Acq On : 8 Jul 2020 19:51
 Operator : JC/MD
 Sample : L3215-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Jul 09 02:23:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	177684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	321786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	306537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	142409	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.22%		
35) Dibromofluoromethane	7.55	113	102595	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.16%		
50) Toluene-d8	10.06	98	416108	52.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.98%		
62) 4-Bromofluorobenzene	12.38	95	147319	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.68%		

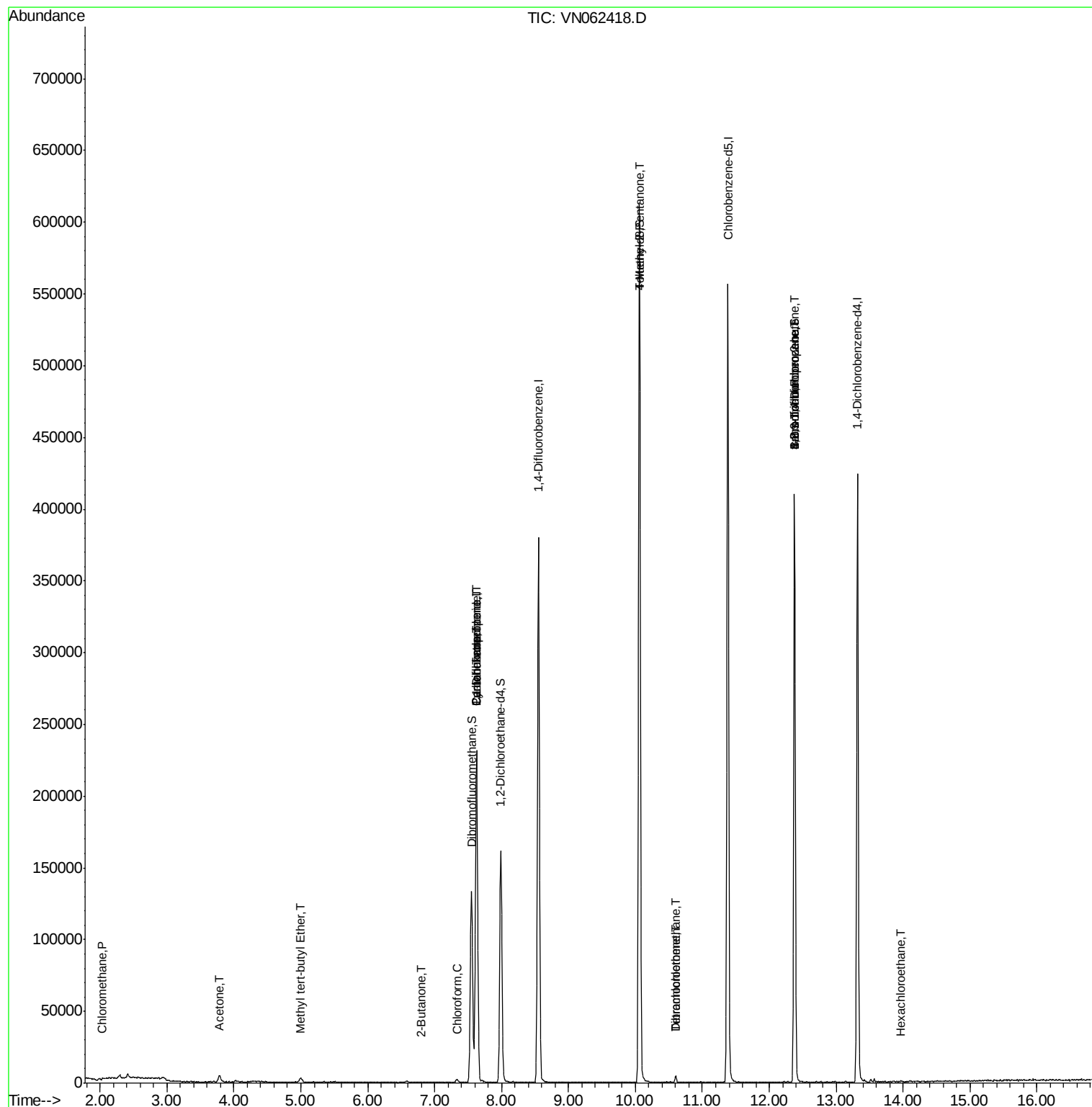
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	687	0.237	ug/l #	82
16) Acetone	3.78	43	8794	7.579	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	4221	0.610	ug/l	95
25) 2-Butanone	6.78	43	361	0.213	ug/l #	53
30) Chloroform	7.33	83	2444	0.618	ug/l	98
31) Cyclohexane	7.62	56	5404	1.302	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15947	4.919	ug/l #	48
38) Carbon Tetrachloride	7.62	117	17851	6.125	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2531	0.708	ug/l #	1
60) Dibromochloromethane	10.60	129	1014	0.431	ug/l #	11
64) Tetrachloroethene	10.61	164	988	0.543	ug/l	92
71) Bromoform	12.38	173	921	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	76798	28.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76798	76.419	ug/l #	10
90) Hexachloroethane	13.97	117	977	0.736	ug/l #	14
95) Naphthalene	15.12	128	63	Below Cal	#	70

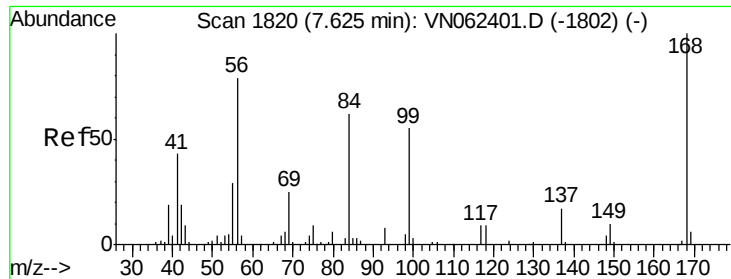
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 09 02:12:34 2020
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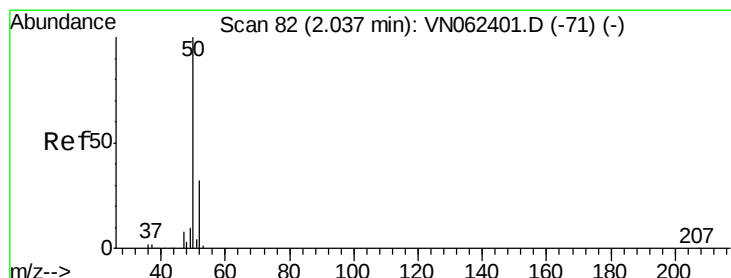
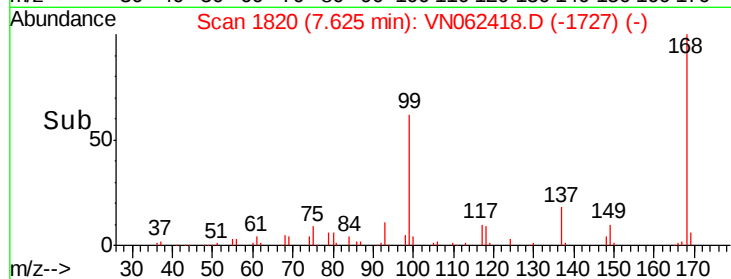
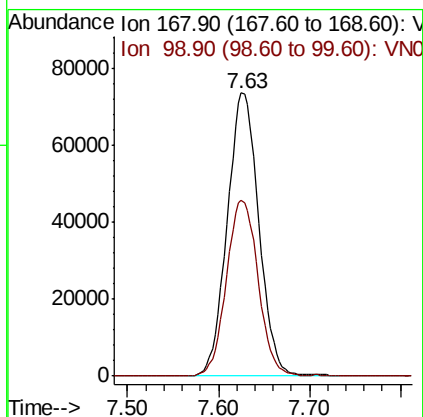
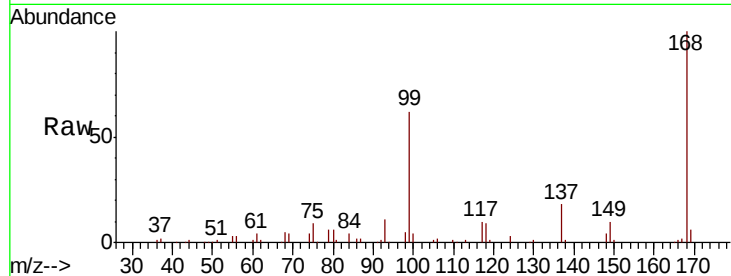




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

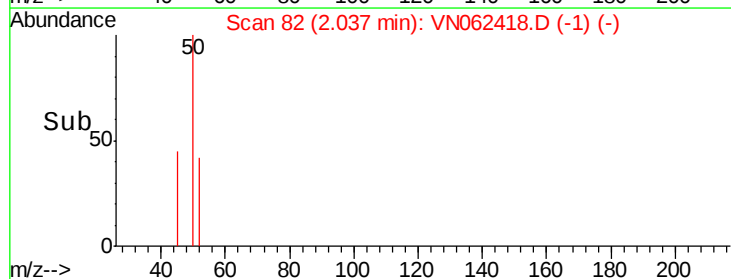
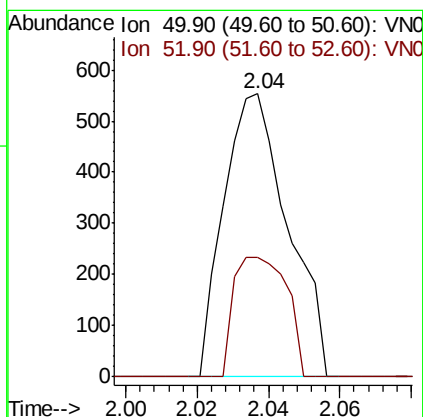
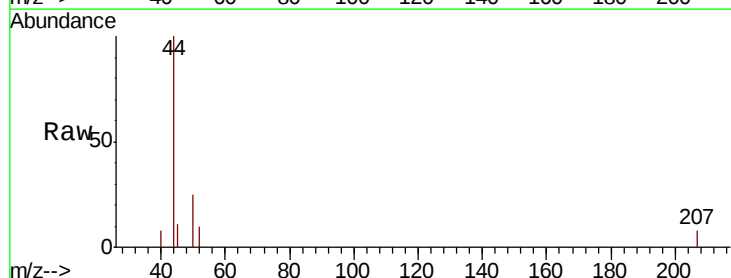
Instrument :
MSVOA_N
ClientSampled :
MW-11

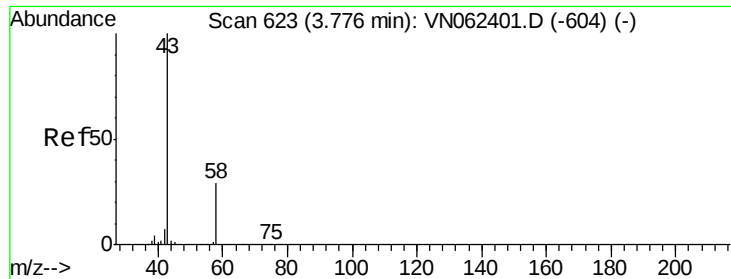
Tot Ion:168 Resp: 177684
Ion Ratio Lower Upper
168 100
99 62.1 48.8 73.2



#3
Chloromethane
Concen: 0.237 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

Tgt Ion: 50 Resp: 687
Ion Ratio Lower Upper
50 100
52 42.1 25.5 38.3#





#16

Acetone

Concen: 7.579 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

Instrument :

MSVOA_N

ClientSampled :

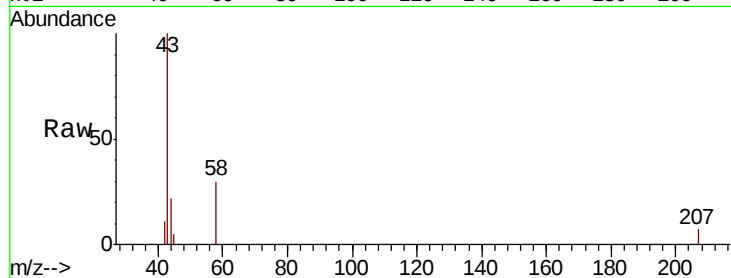
MW-11

Tot Ion: 43 Resp: 8794

Ion Ratio Lower Upper

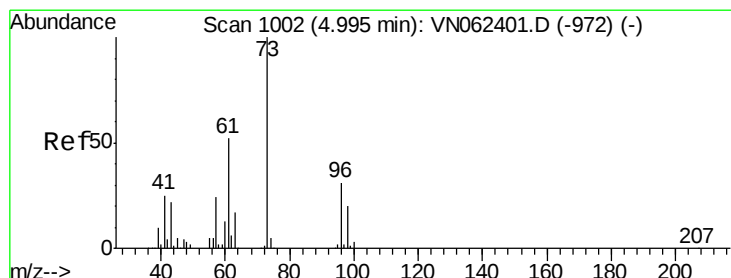
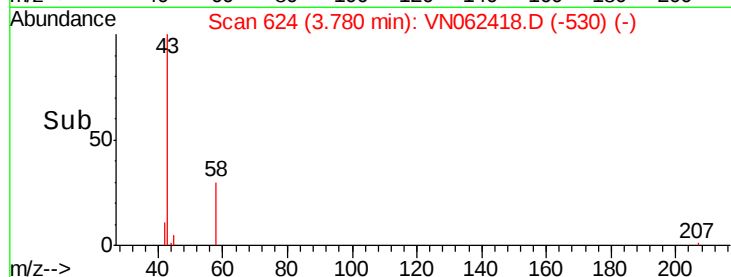
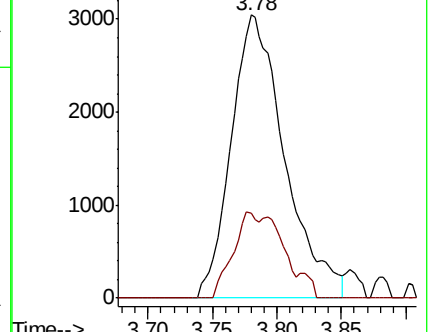
43 100

58 30.2 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN062418.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062418.D (-604) (-)



#19

Methyl tert-butyl Ether

Concen: 0.610 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN062418.D

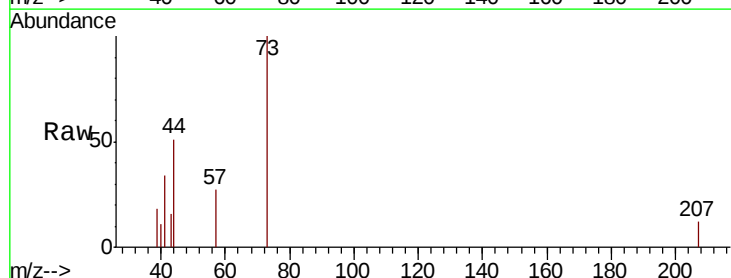
Acq: 8 Jul 2020 19:51

Tgt Ion: 73 Resp: 4221

Ion Ratio Lower Upper

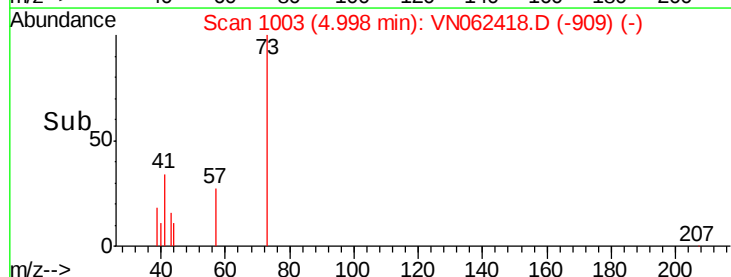
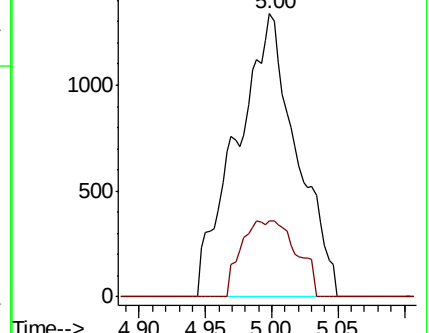
73 100

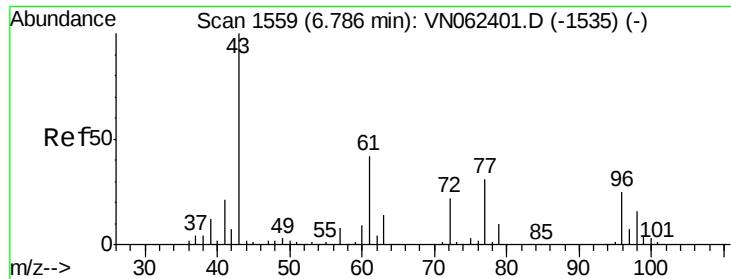
57 26.9 19.4 29.0



Abundance Ion 73.00 (72.70 to 73.70): VN062418.D (-972) (-)

Ion 57.00 (56.70 to 57.70): VN062418.D (-972) (-)

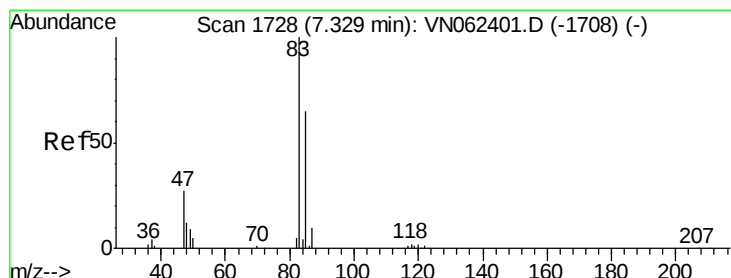
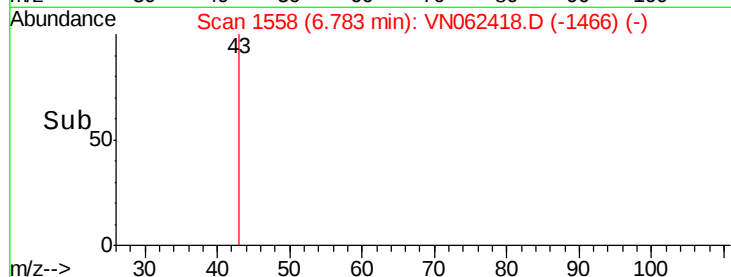
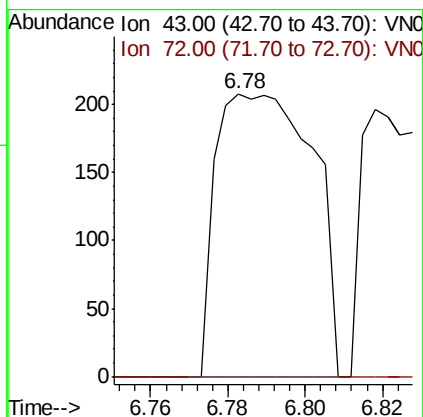
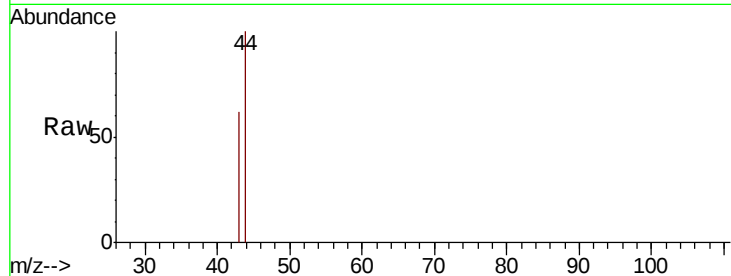




#25
2-Butanone
Concen: 0.213 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

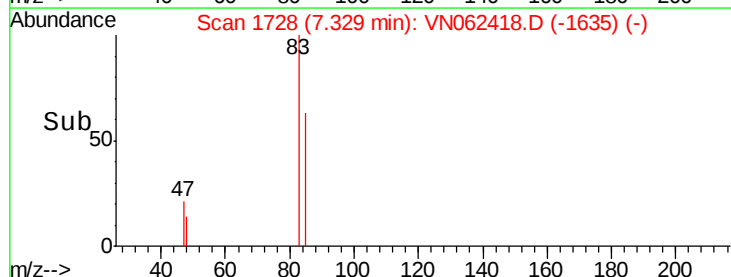
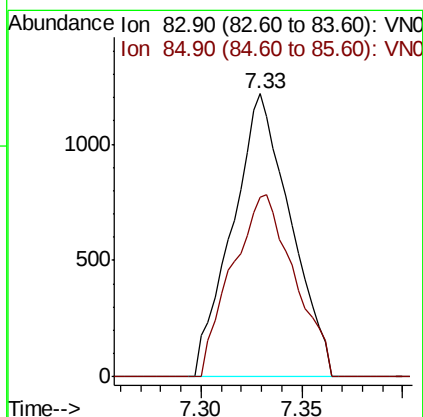
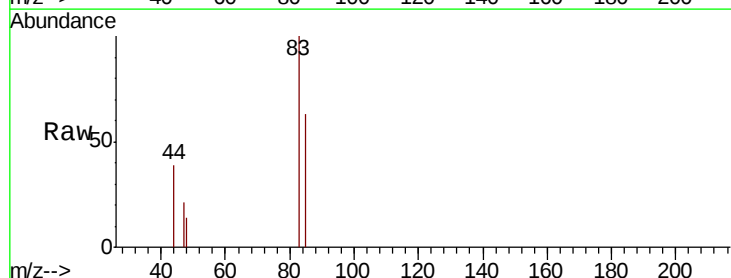
Instrument :
MSVOA_N
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MW-11

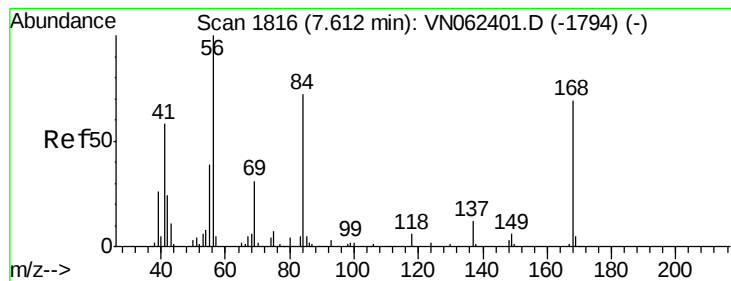
Tot Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#



#30
Chloroform
Concen: 0.618 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

Tgt Ion: 83 Resp: 2444
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.6





#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

Instrument :

MSVOA_N

ClientSampled :

MW-11

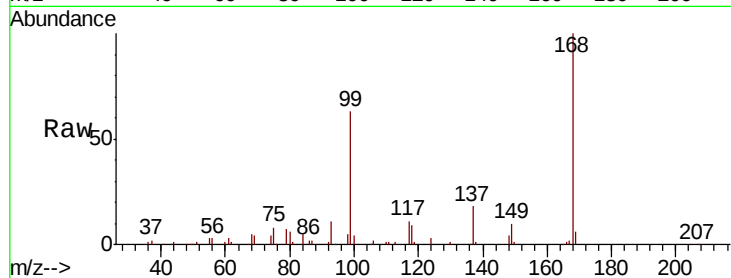
Tot Ion: 56 Resp: 5404

Ion Ratio Lower Upper

56 100

69 143.1 24.5 36.7#

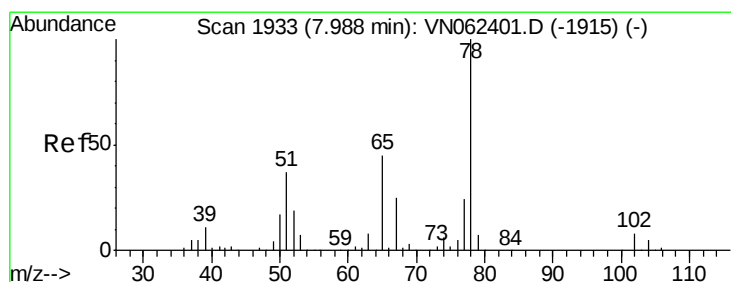
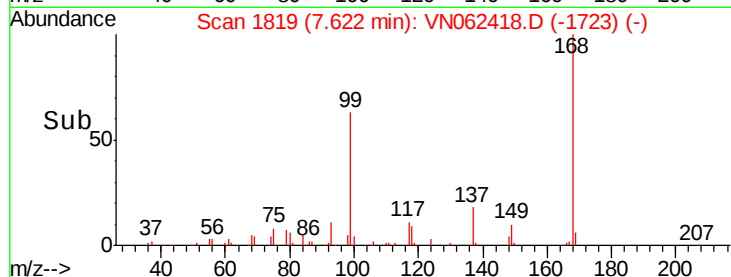
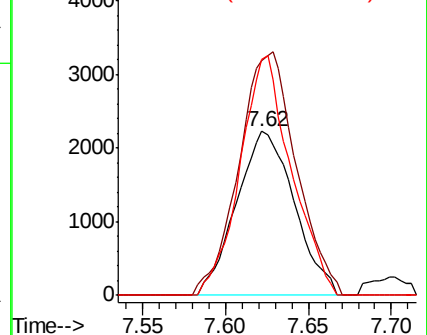
84 143.9 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN062401.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062401.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062401.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.107 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062418.D

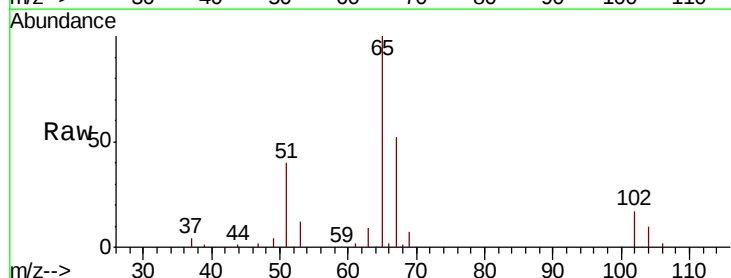
Acq: 8 Jul 2020 19:51

Tgt Ion: 65 Resp: 142409

Ion Ratio Lower Upper

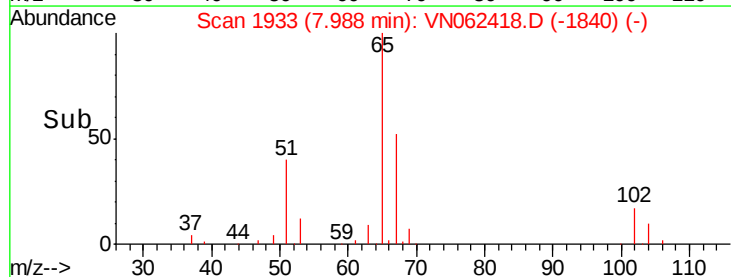
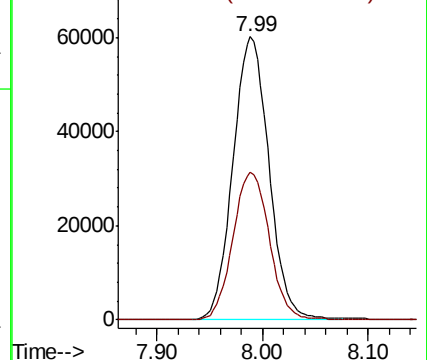
65 100

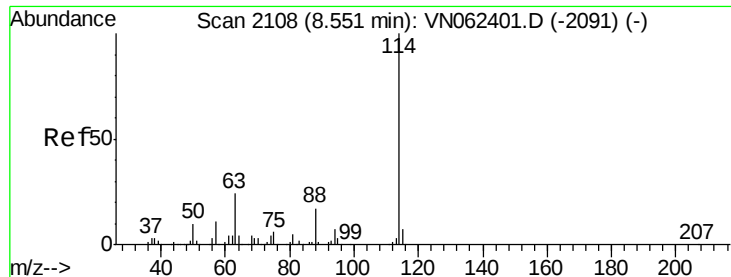
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062401.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062401.D (-1915) (-)

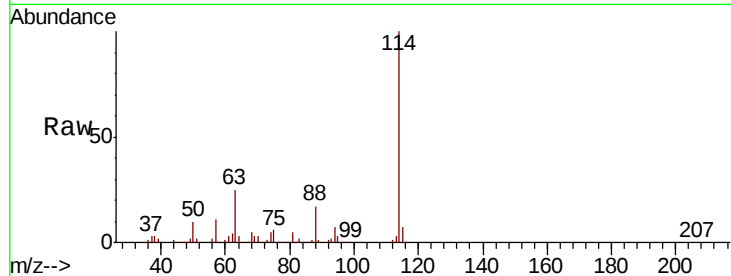




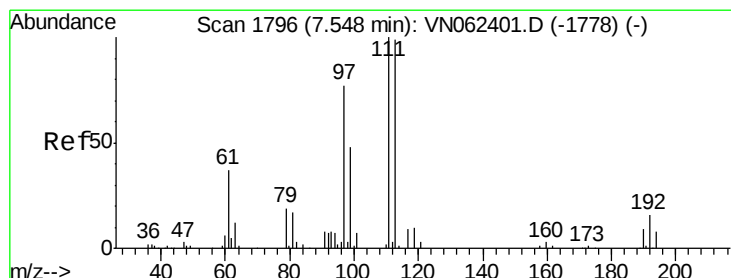
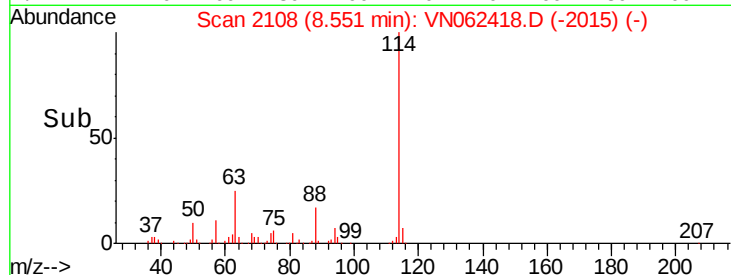
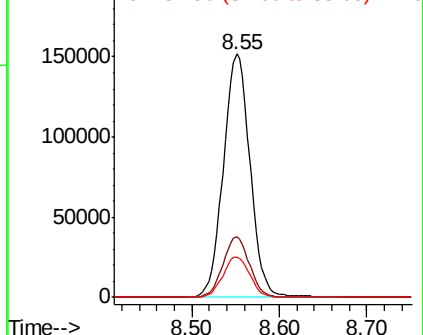
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062418.D
 Acq: 8 Jul 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	48.4
88	16.7	0.0	33.8

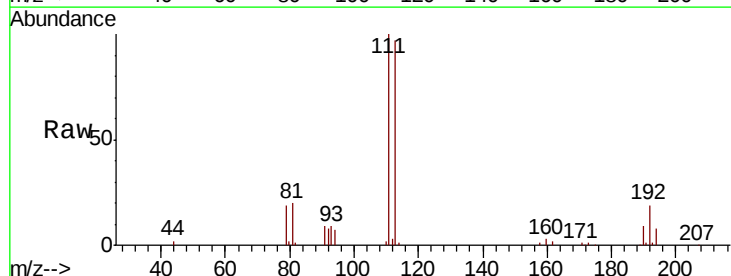


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

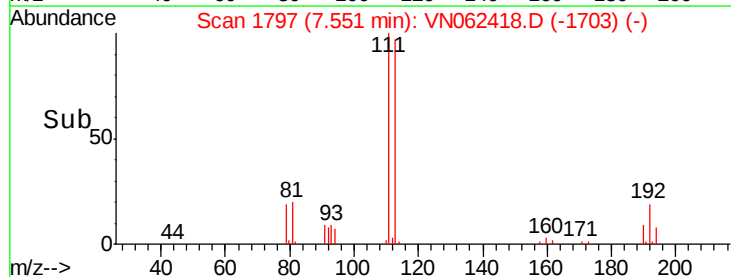
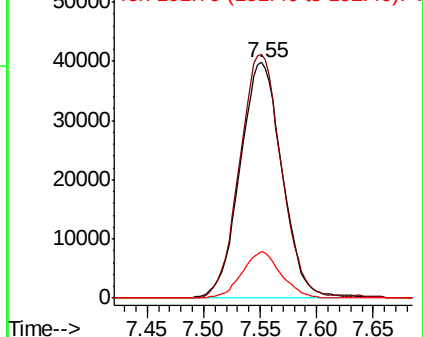


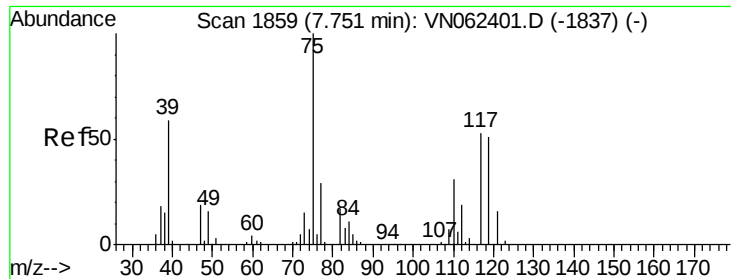
#35
 Dibromofluoromethane
 Concen: 51.579 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062418.D
 Acq: 8 Jul 2020 19:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	18.3	14.1	21.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

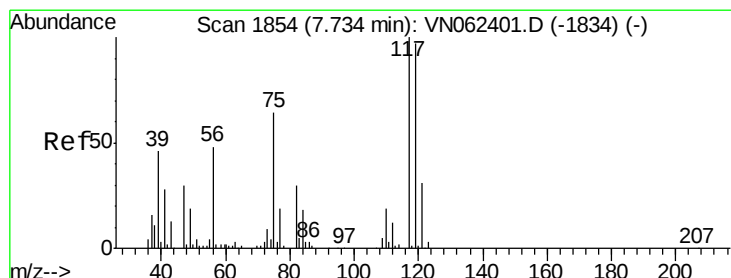
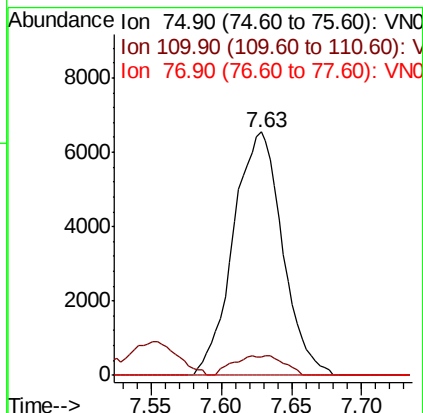
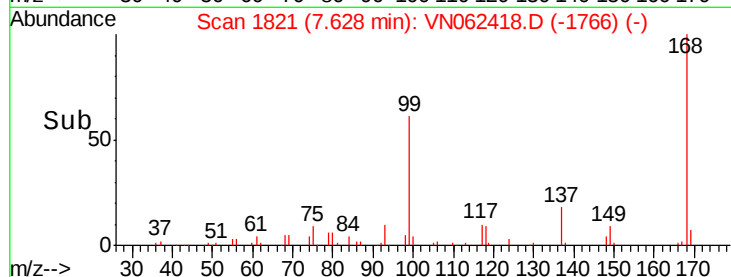
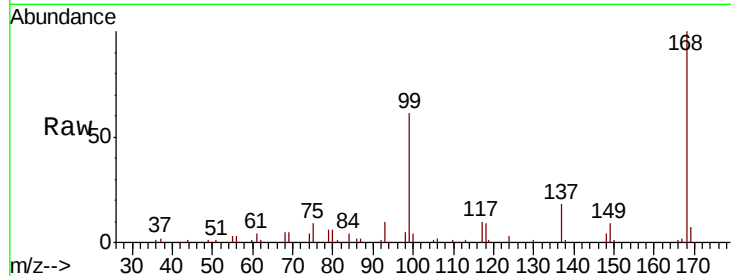




#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062418.D
 Acq: 8 Jul 2020 19:51

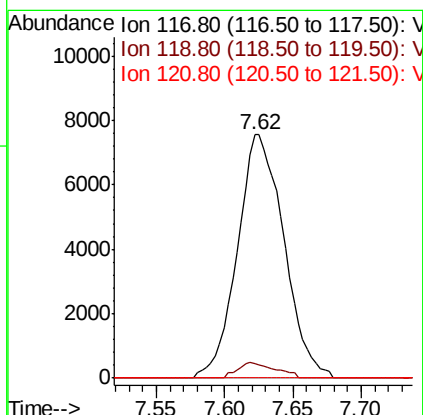
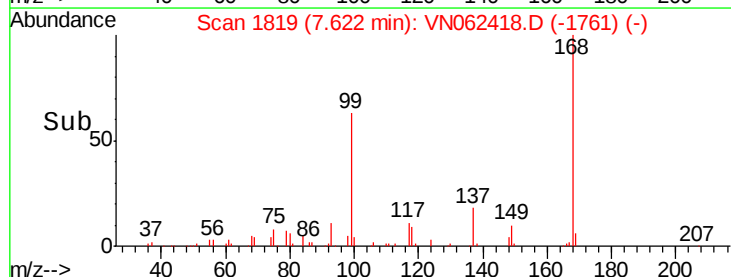
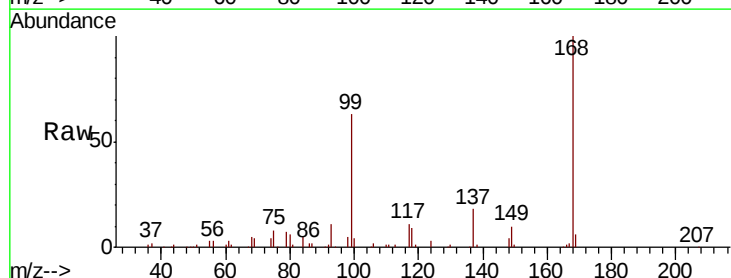
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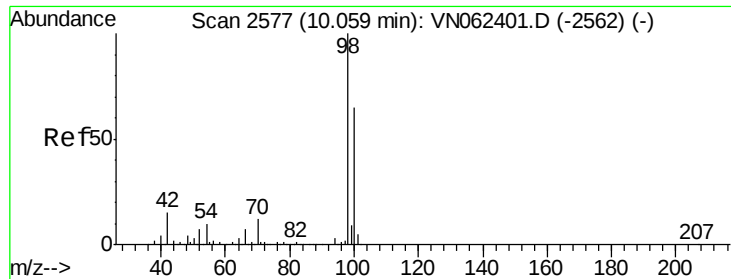
Tot Ion: 75 Resp: 15947
 Ion Ratio Lower Upper
 75 100
 110 4.7 15.4 46.2#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 6.125 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062418.D
 Acq: 8 Jul 2020 19:51

Tgt Ion: 117 Resp: 17851
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.2 115.8#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 52.992 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

Instrument :

MSVOA_N

ClientSampled :

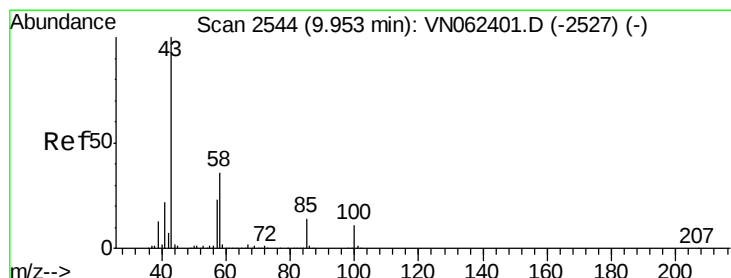
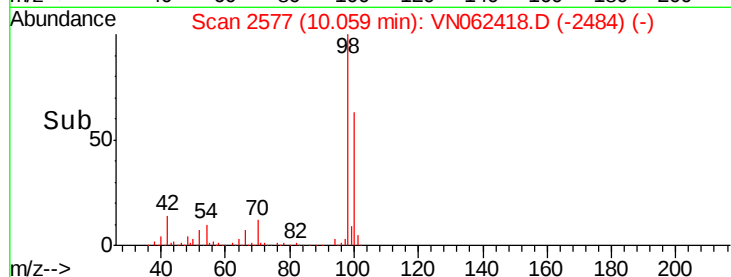
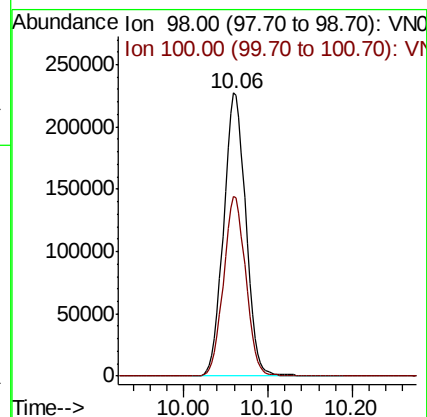
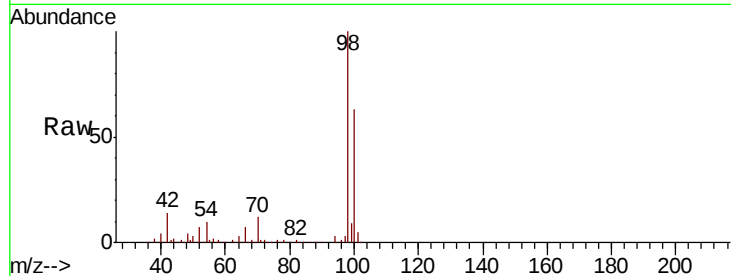
MW-11

Tot Ion: 98 Resp: 416108

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.708 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062418.D

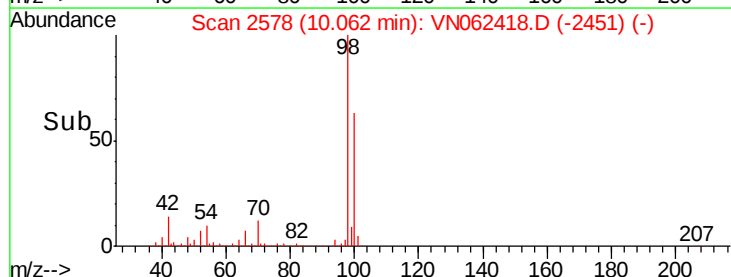
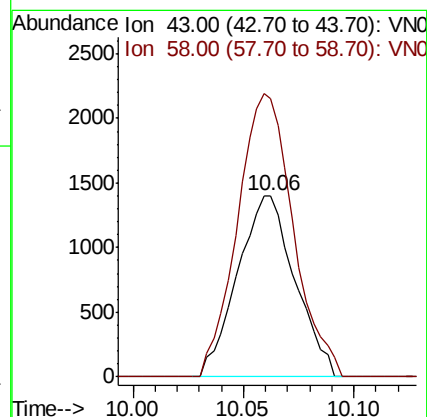
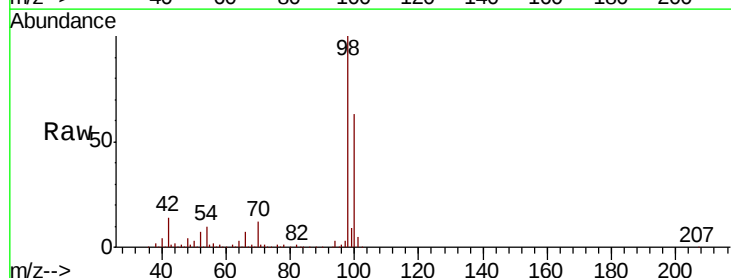
Acq: 8 Jul 2020 19:51

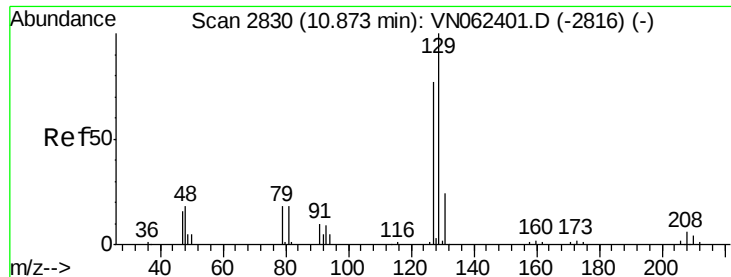
Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

58 151.9 29.0 43.6#

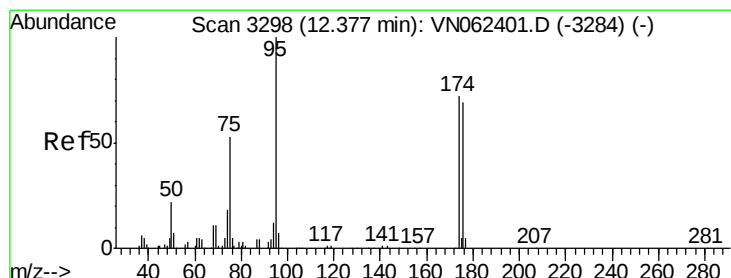
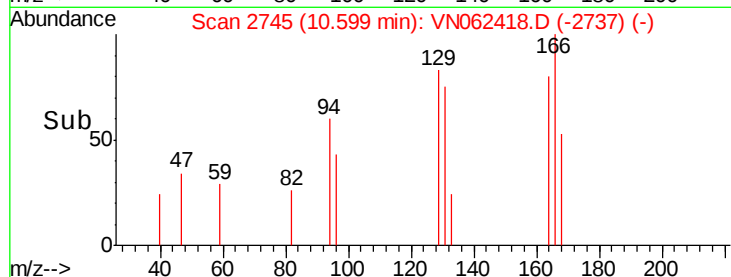
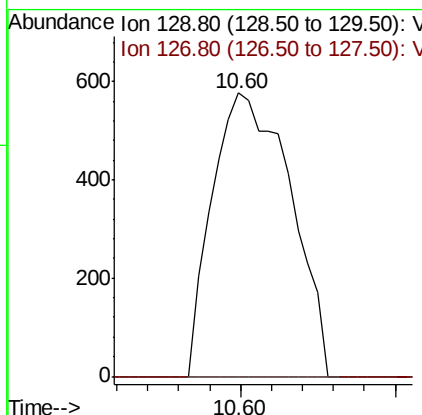
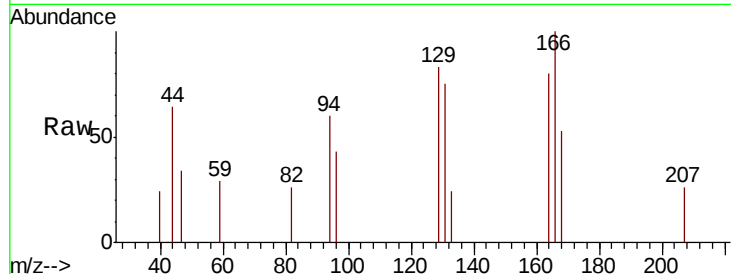




#60
Dibromochloromethane
Concen: 0.431 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.27 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

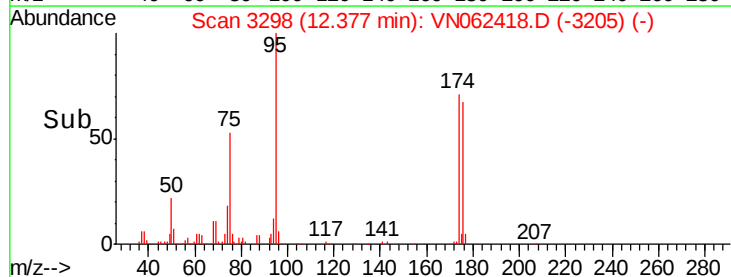
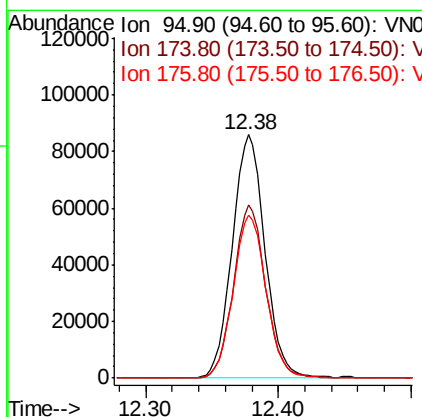
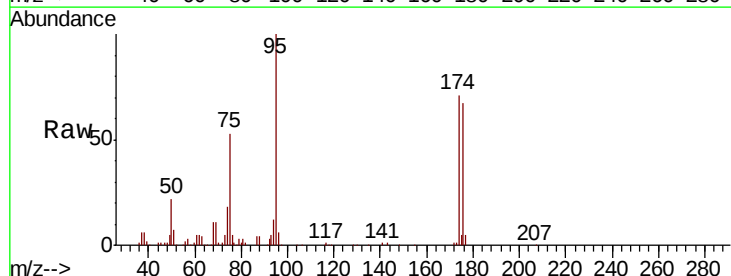
Instrument :
MSVOA_N
ClientSampleId :
MW-11

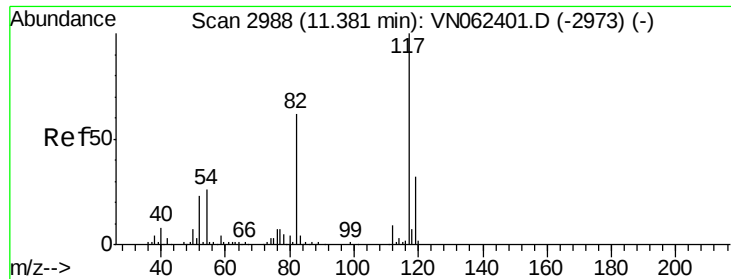
Tot Ion:129 Resp: 1014
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 51.340 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

Tgt Ion: 95 Resp: 147319
Ion Ratio Lower Upper
95 100
174 69.8 0.0 141.6
176 67.6 0.0 137.2

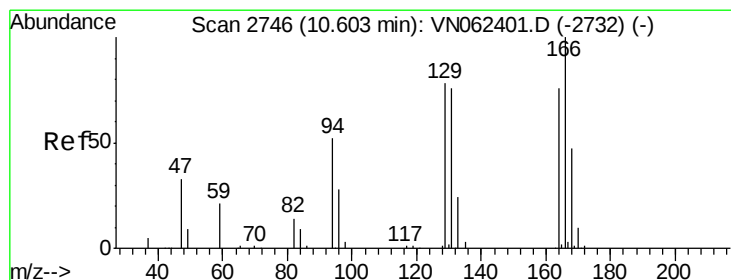
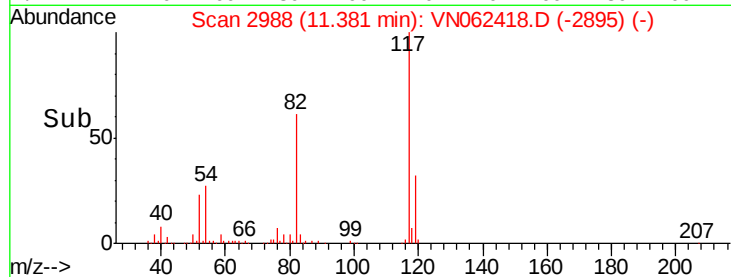
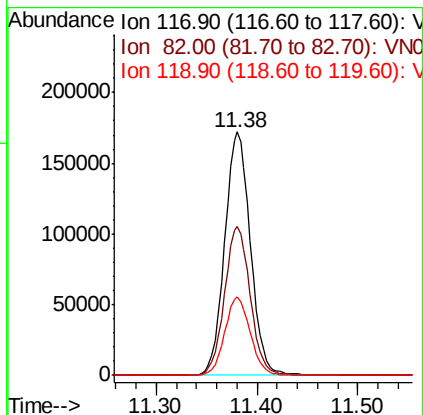
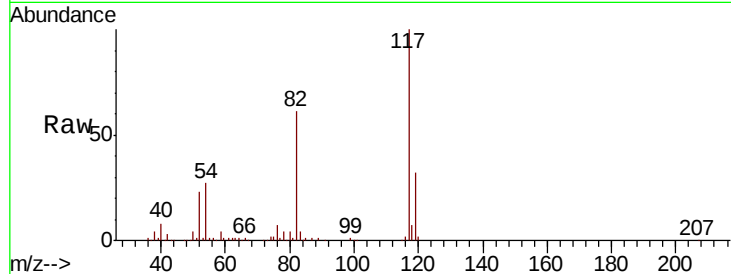




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

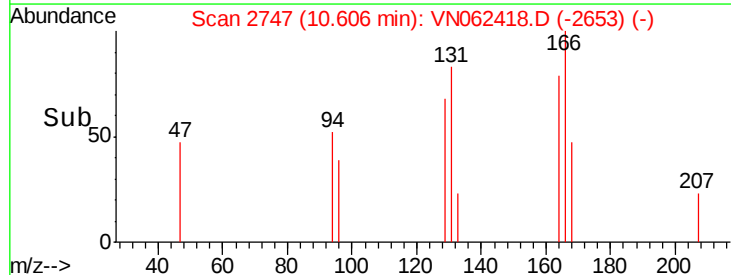
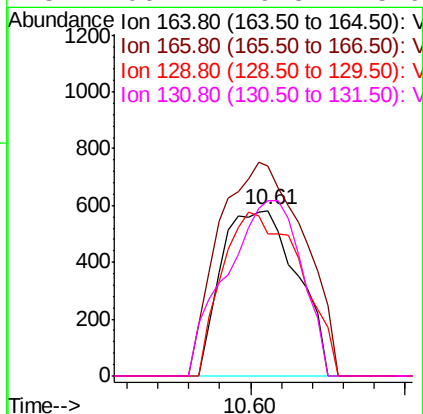
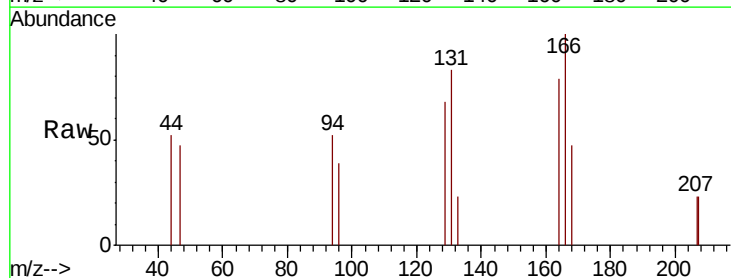
Instrument :
MSVOA_N
ClientSampleId :
MW-11

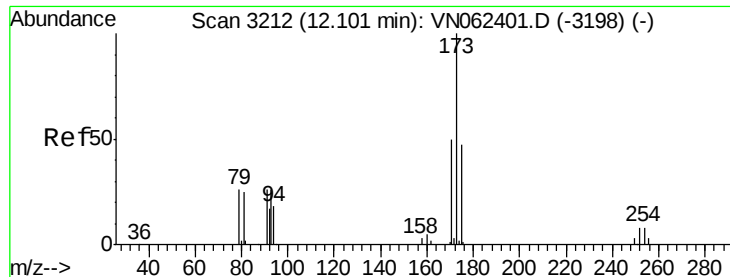
Tot Ion:117 Resp: 306537
Ion Ratio Lower Upper
117 100
82 61.0 49.6 74.4
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 0.543 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062418.D
Acq: 8 Jul 2020 19:51

Tgt Ion:164 Resp: 988
Ion Ratio Lower Upper
164 100
166 127.4 104.9 157.3
129 86.1 81.8 122.6
131 106.2 79.3 118.9





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-11

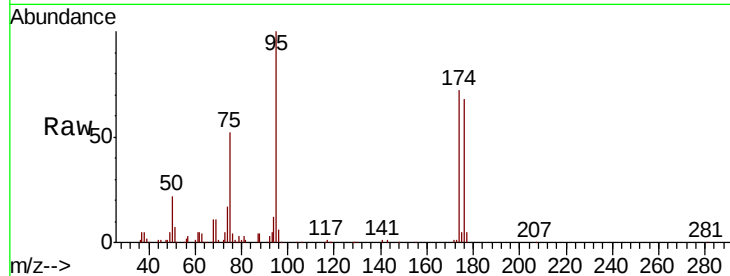
Tot Ion:173 Resp: 921

Ion Ratio Lower Upper

173 100

175 661.1 23.7 71.1#

254 0.0 0.0 0.0

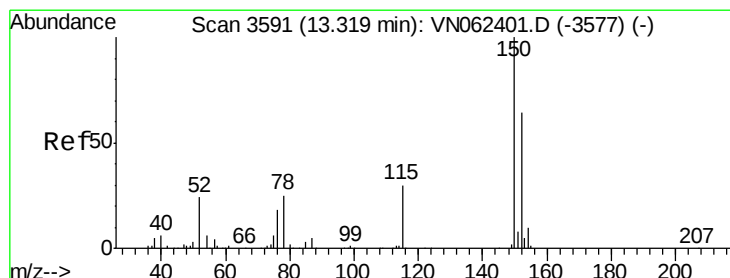
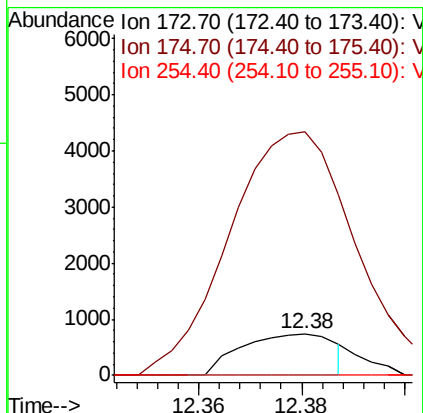
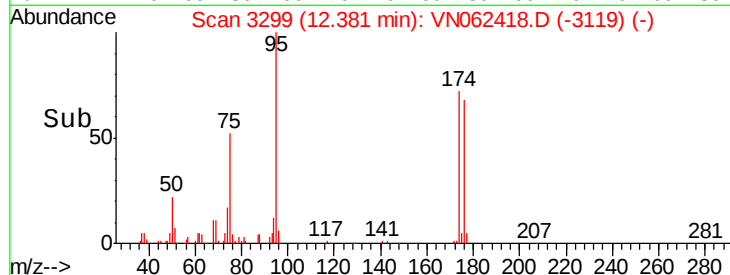


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

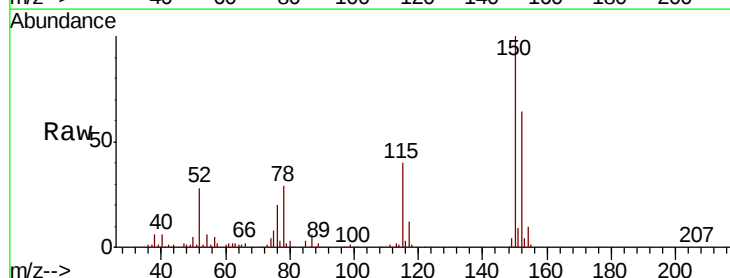
Tgt Ion:152 Resp: 109627

Ion Ratio Lower Upper

152 100

115 62.1 31.4 94.2

150 157.1 0.0 347.4

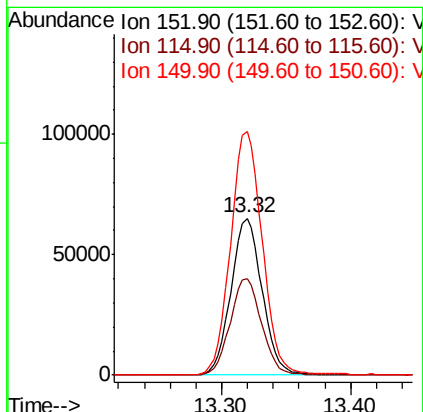
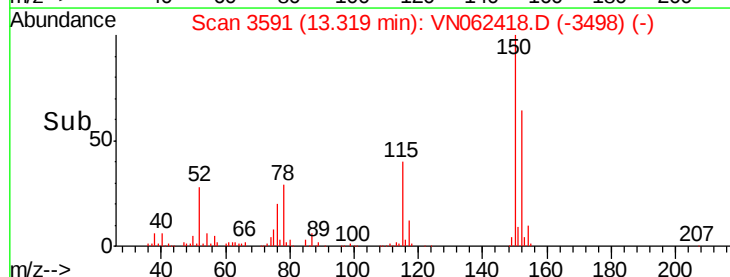


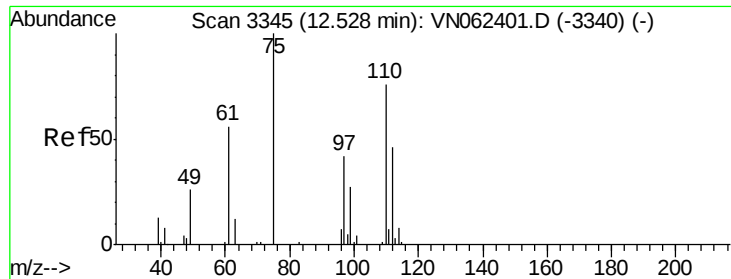
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.551 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

Instrument :

MSVOA_N

ClientSampled :

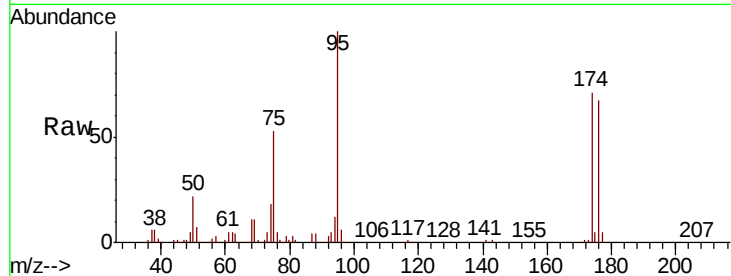
MW-11

Tot Ion: 75 Resp: 76798

Ion Ratio Lower Upper

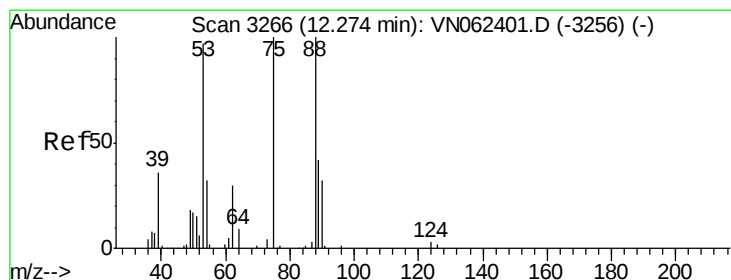
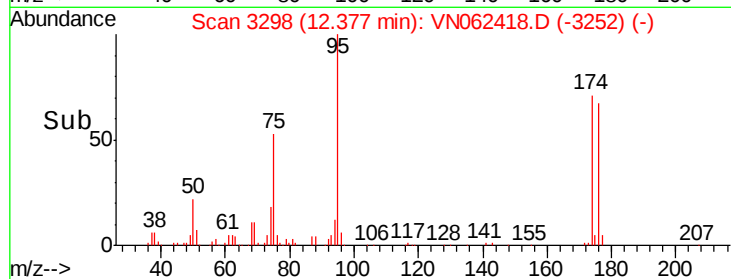
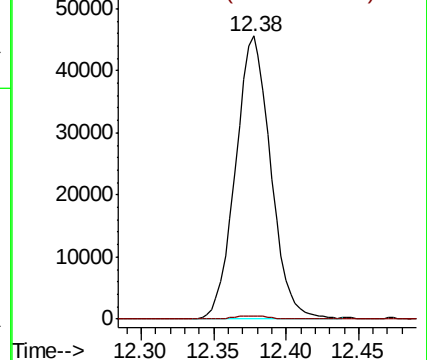
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 76.419 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

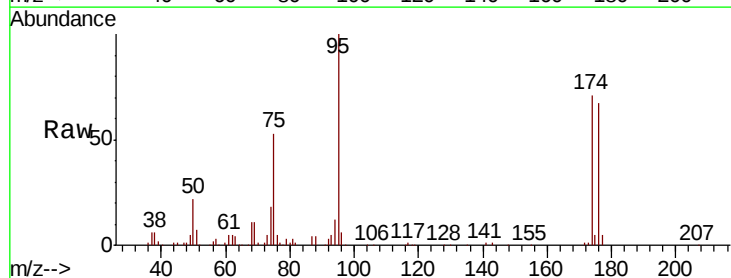
Tgt Ion: 75 Resp: 76798

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

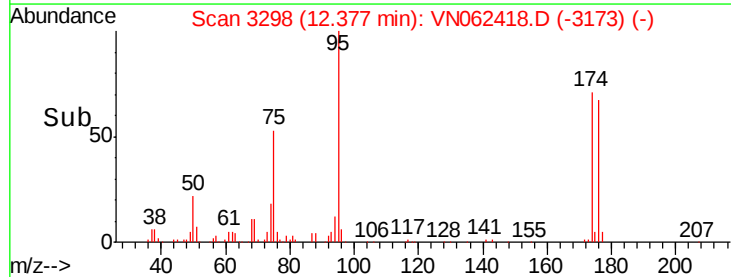
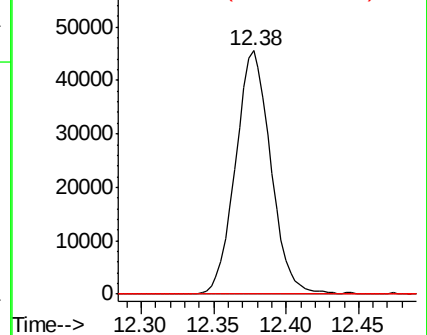
89 0.0 34.6 52.0#

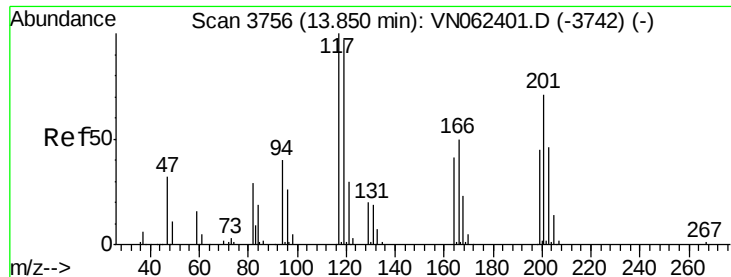


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 0.736 ug/l

RT: 13.97 min Scan# 3794

Delta R.T. 0.12 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

Instrument :

MSVOA_N

ClientSampled :

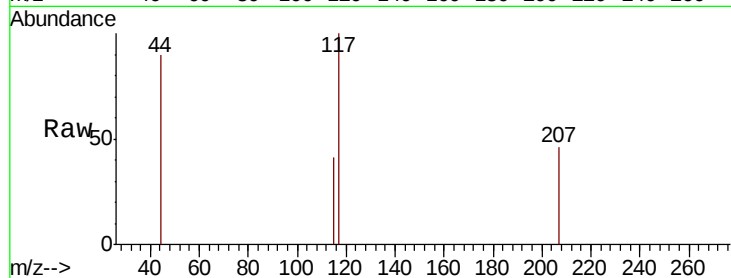
MW-11

Tot Ion:117 Resp: 977

Ion Ratio Lower Upper

117 100

201 0.0 35.4 106.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.97

600

500

400

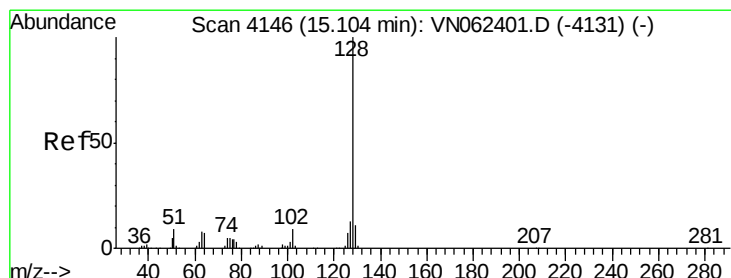
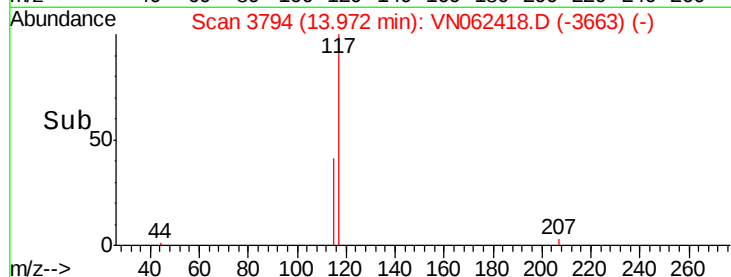
300

200

100

0

Time-->



#95

Naphthalene

Concen: Below Cal

RT: 15.12 min Scan# 4151

Delta R.T. 0.02 min

Lab File: VN062418.D

Acq: 8 Jul 2020 19:51

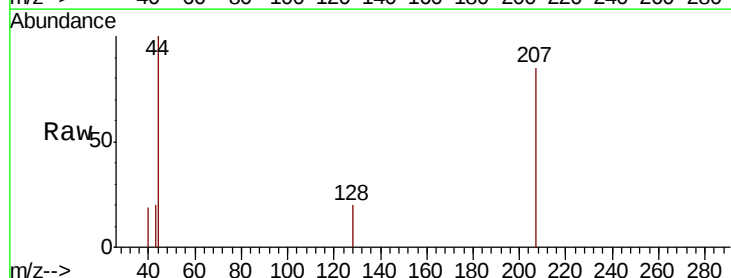
Tgt Ion:128 Resp: 63

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

200

150

100

50

0

Time-->

